

Plan for INTEX-B flight#4 – Houston local 2
updated 3/6 @18Z

MC outflow in the northeast quadrant is expected to set up on Thursday and to persist for at least several days. Plan on back-to-back flights Thursday and Friday

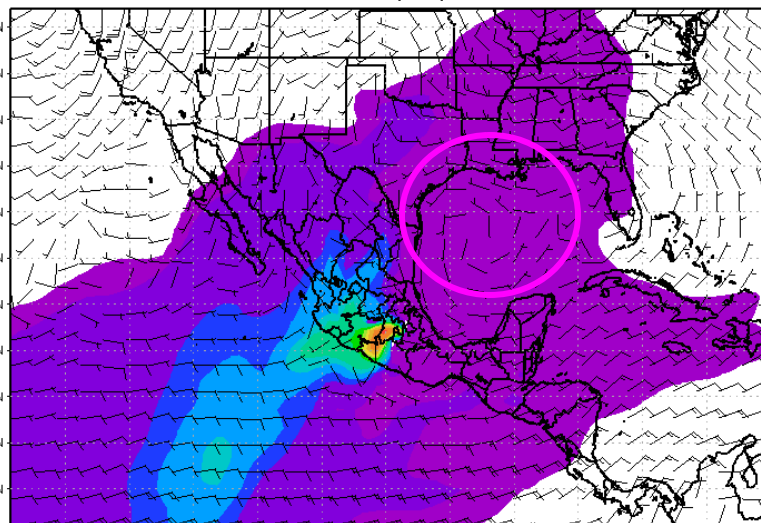
Objectives:

- 1. Mexico City outflow plumes over range of ages**
- 2. Satellite validation**
- 3. Intercomparison with C-130 (Friday)**
- 4. Missed Mexico City approach (Friday)?**

Mexico City CO

Simulated MexicoCity CO (ppbv) in the 1km layer
at 3GMT, 03/06/2006

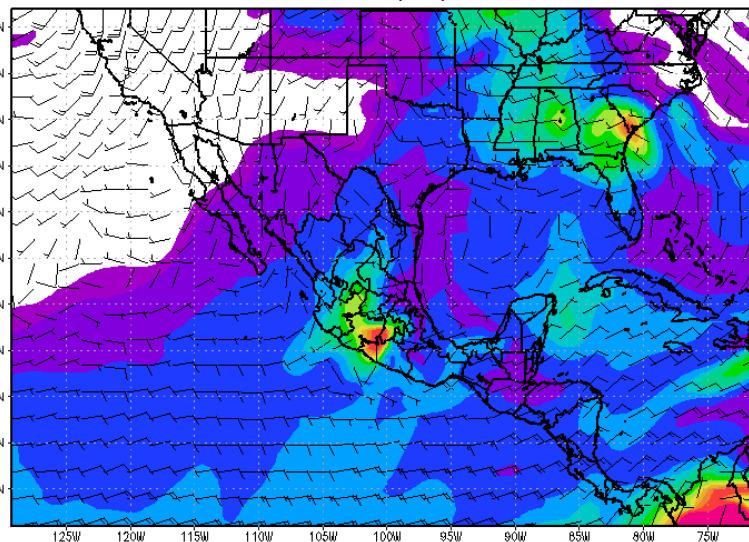
CGRER, University of Iowa



Biomass Burning CO

Simulated Biomass Burning CO (ppbv) in the 1km layer
at 3GMT, 03/06/2006

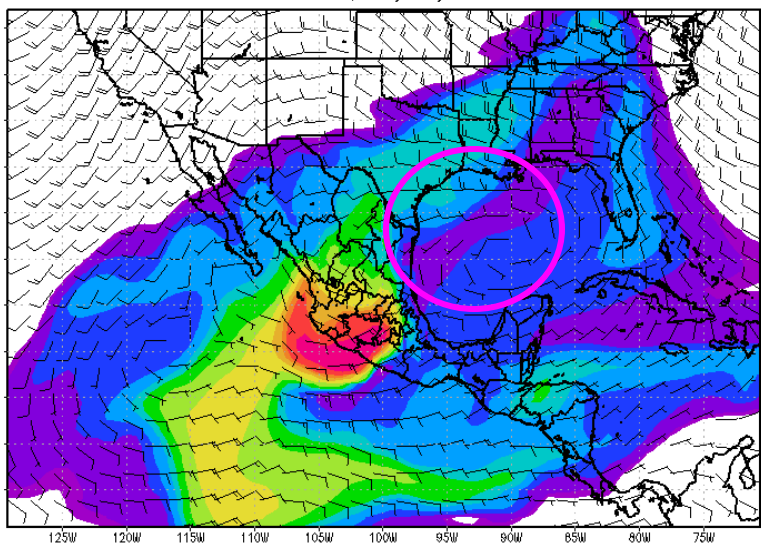
CGRER, University of Iowa



1 km

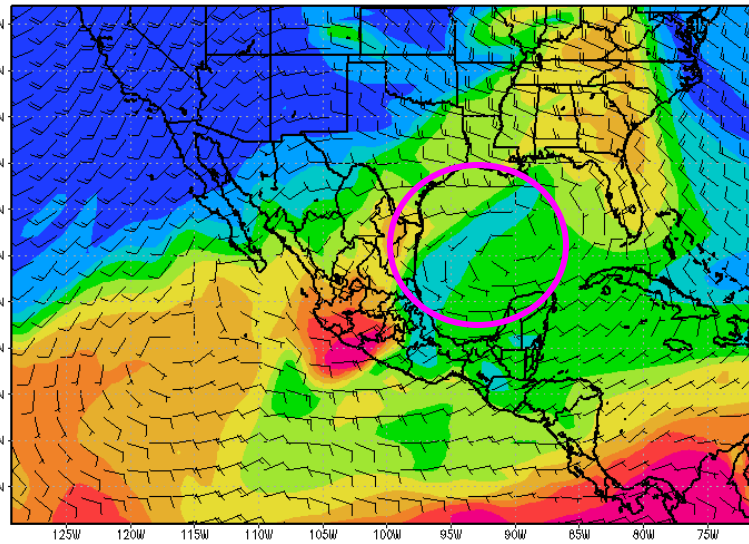
Simulated MexicoCity CO (ppbv) in the 3km layer
at 3GMT, 03/06/2006

CGRER, University of Iowa



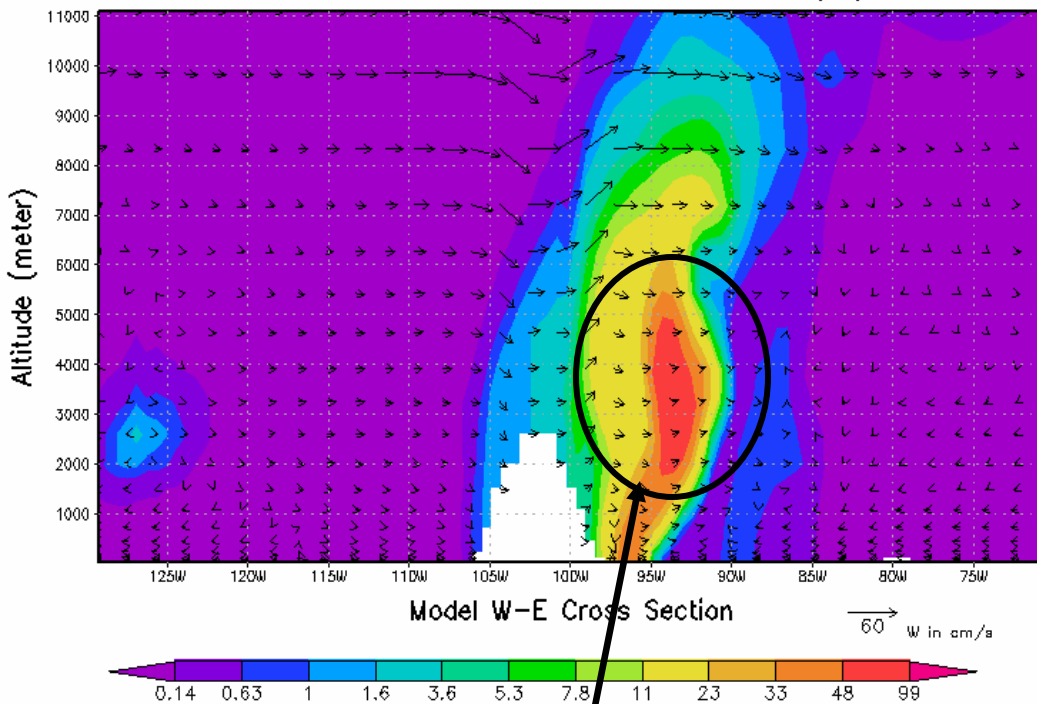
Simulated Biomass Burning CO (ppbv) in the 3km layer
at 3GMT, 03/06/2006

CGRER, University of Iowa



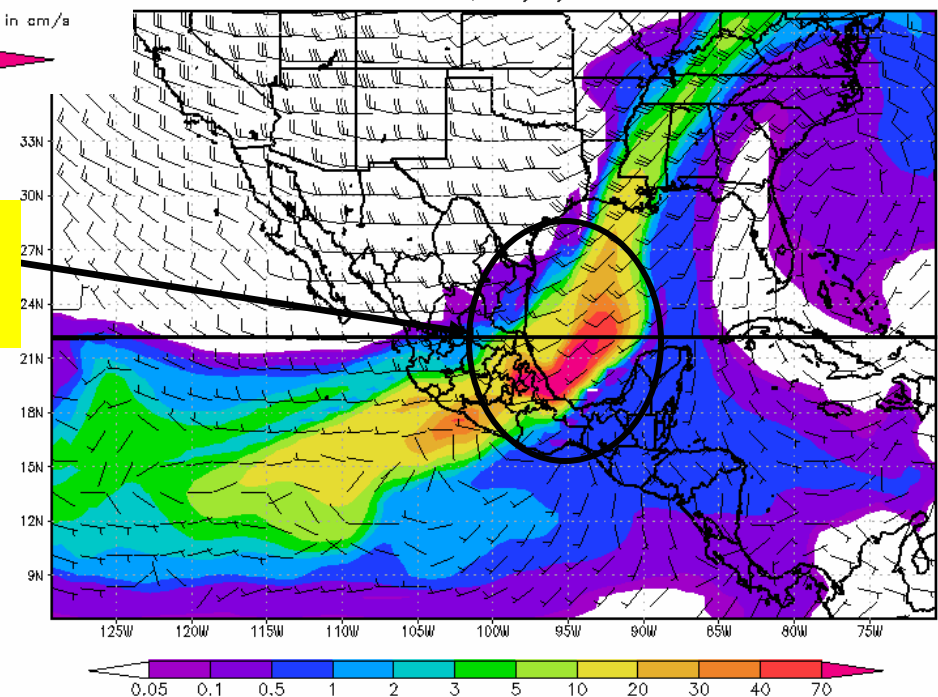
3 km

Simulated W-E Cross Section MexicoCity CO (ppbv)
over the Model Grid Lat=22.2N at 21GMT, 3/9/2006

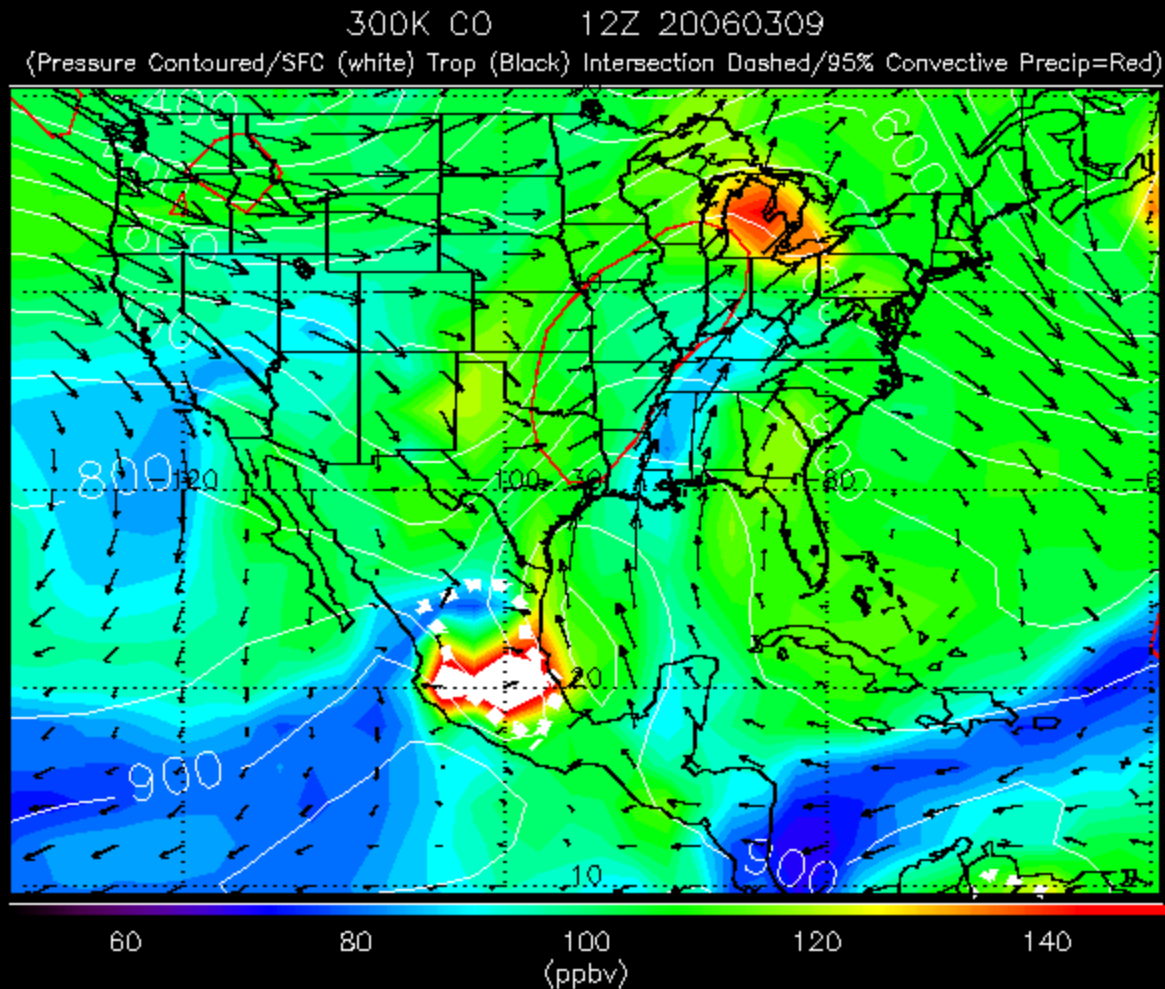


**Mexico City CO will be transported
to the same location**

Simulated MexicoCity CO (ppbv) in the 3km layer
at 21GMT, 03/9/2006



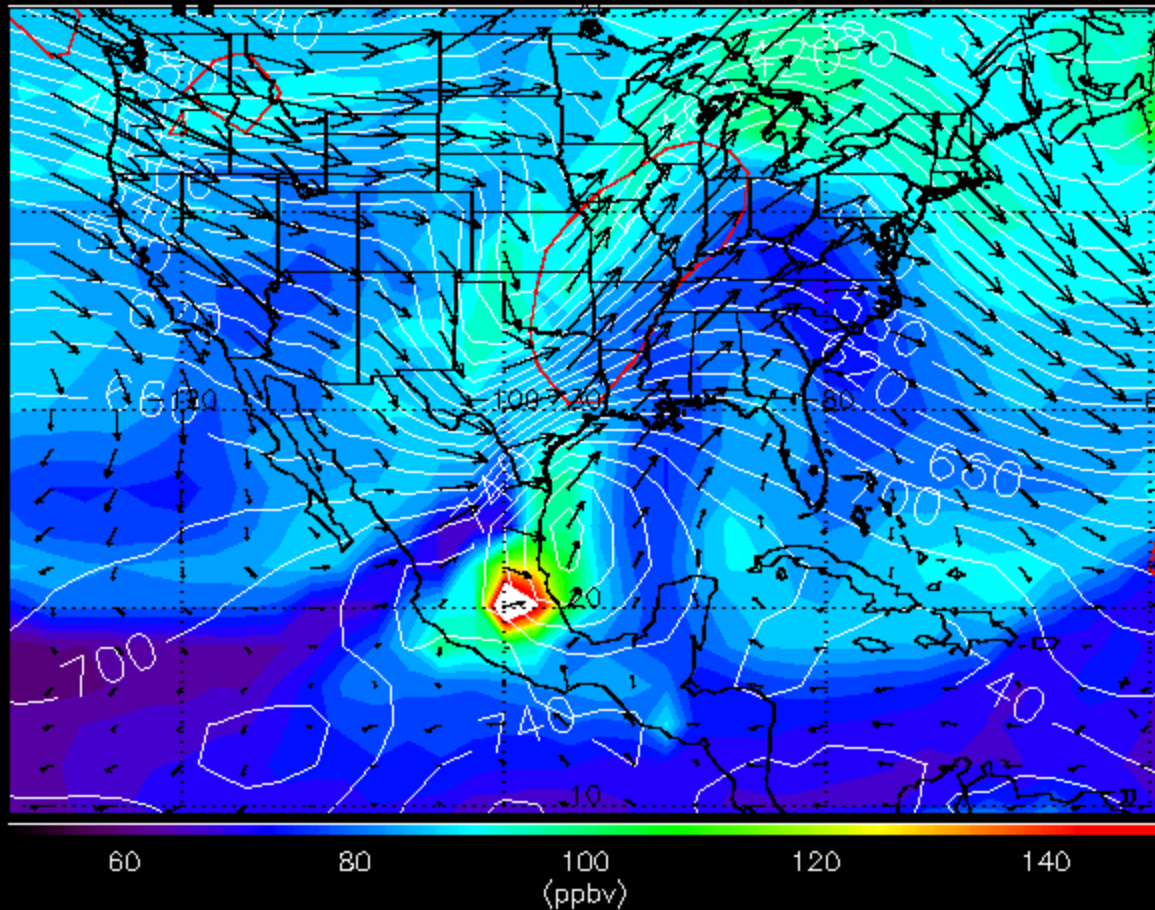
RAQMS 300K CO FX 03/06-03/09 (18Z Today-12Z Thursday)



RAQMS_G 24hr ASSIM + 96hr Fx Initialized 12Z 20060304

RAQMS 310K CO FX 03/06-03/09 (18Z Today-12Z Thursday)

310K CO 12Z 20060309
(Pressure Contoured/SFC (white) Trop (Black) Intersection Dashed/95% Convective Precip=Red)

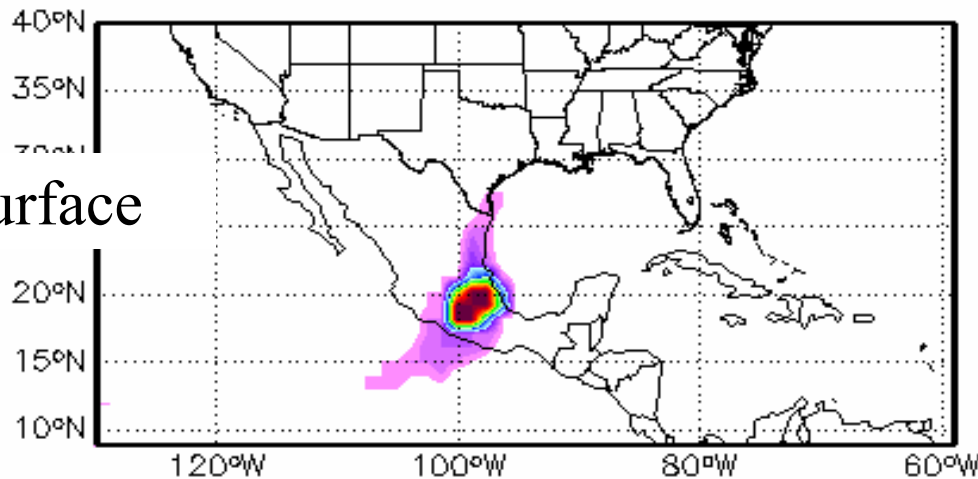


RAQMS_G 24hr ASSIM + 96hr Fx Initialized 12Z 20060304

MEXICO CITY Fossil Fuel CO Tracer

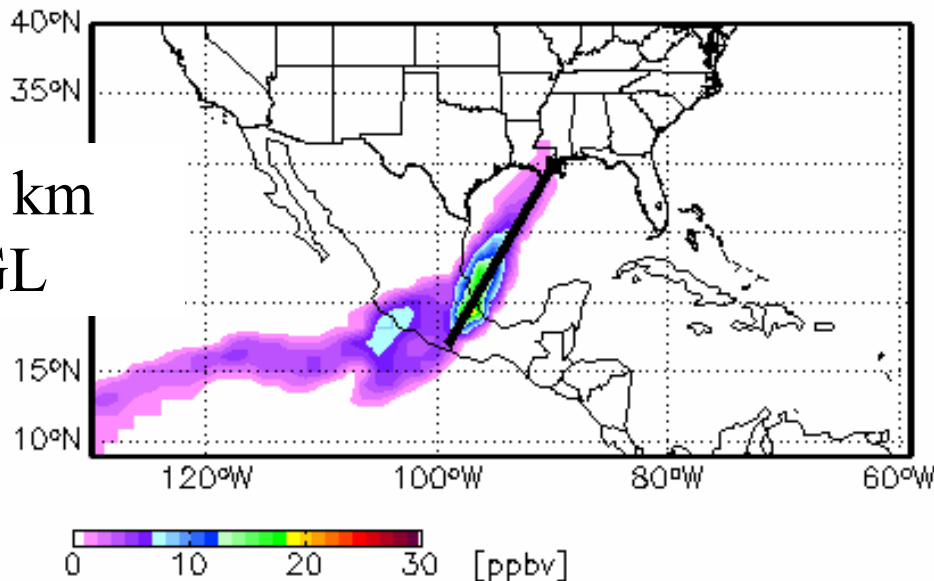
Thurs, March 9 12Z

Mexico City FF CO 20060309 12 GMT at Surface



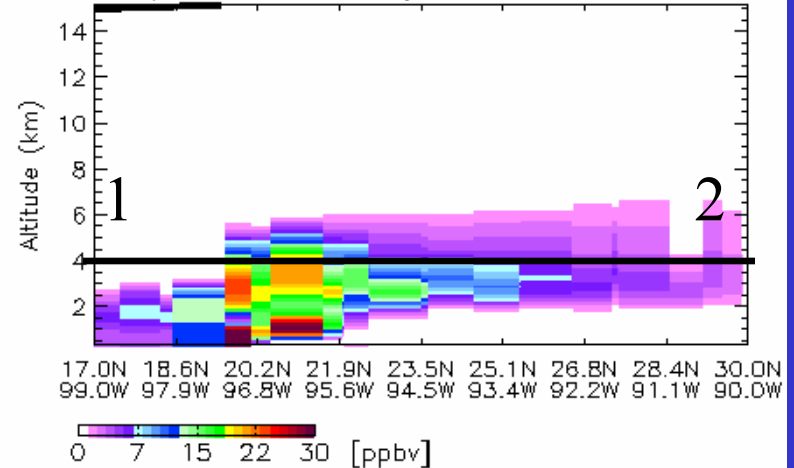
Surface

Mexico City FF CO 20060309 12 GMT at 790 hPa (2.2 km)



2.2 km
AGL

Curtain plot – Mexico City FF CO 20060309 12 GMT

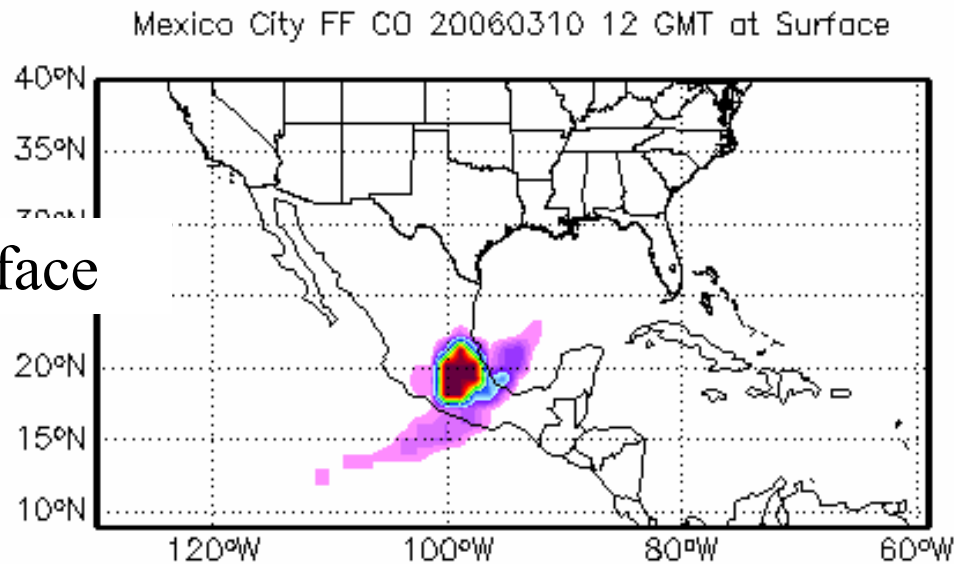


Plume moves north and east
over Gulf into Thursday

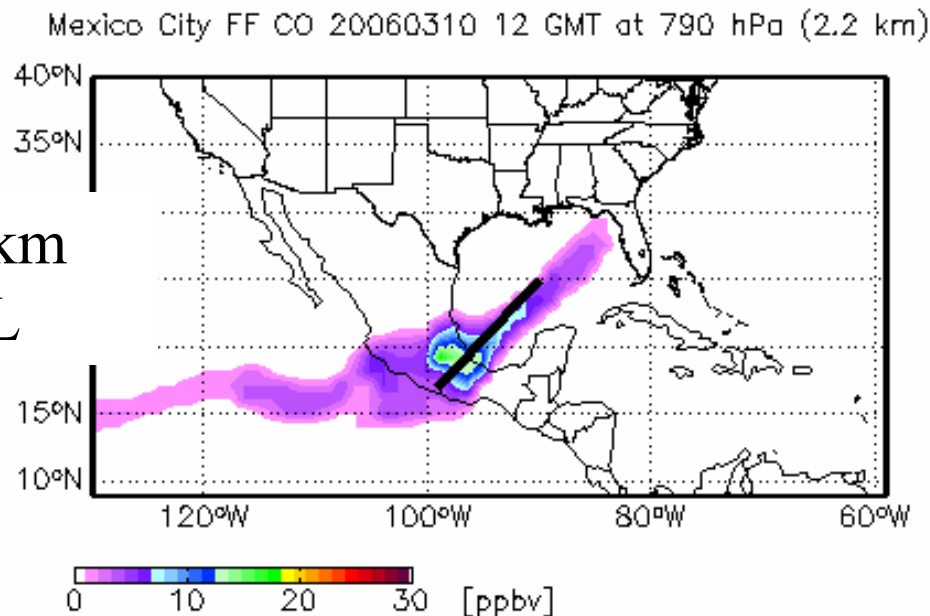
MEXICO CITY Fossil Fuel CO Tracer

Fri, March 10 12Z

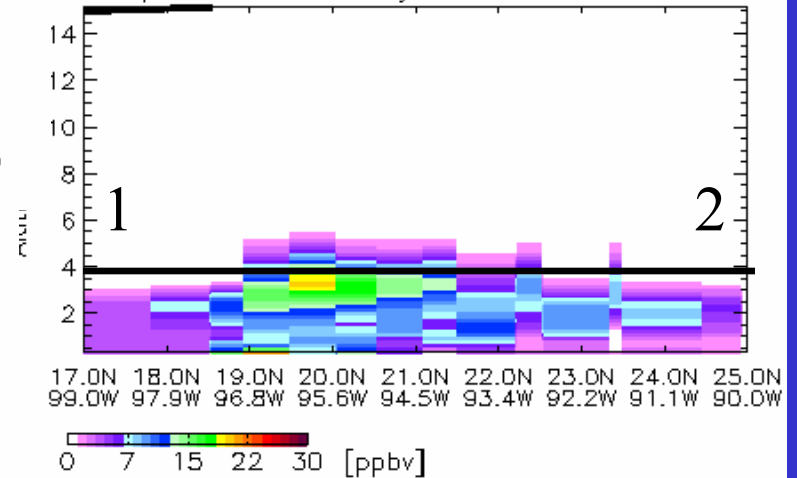
Surface



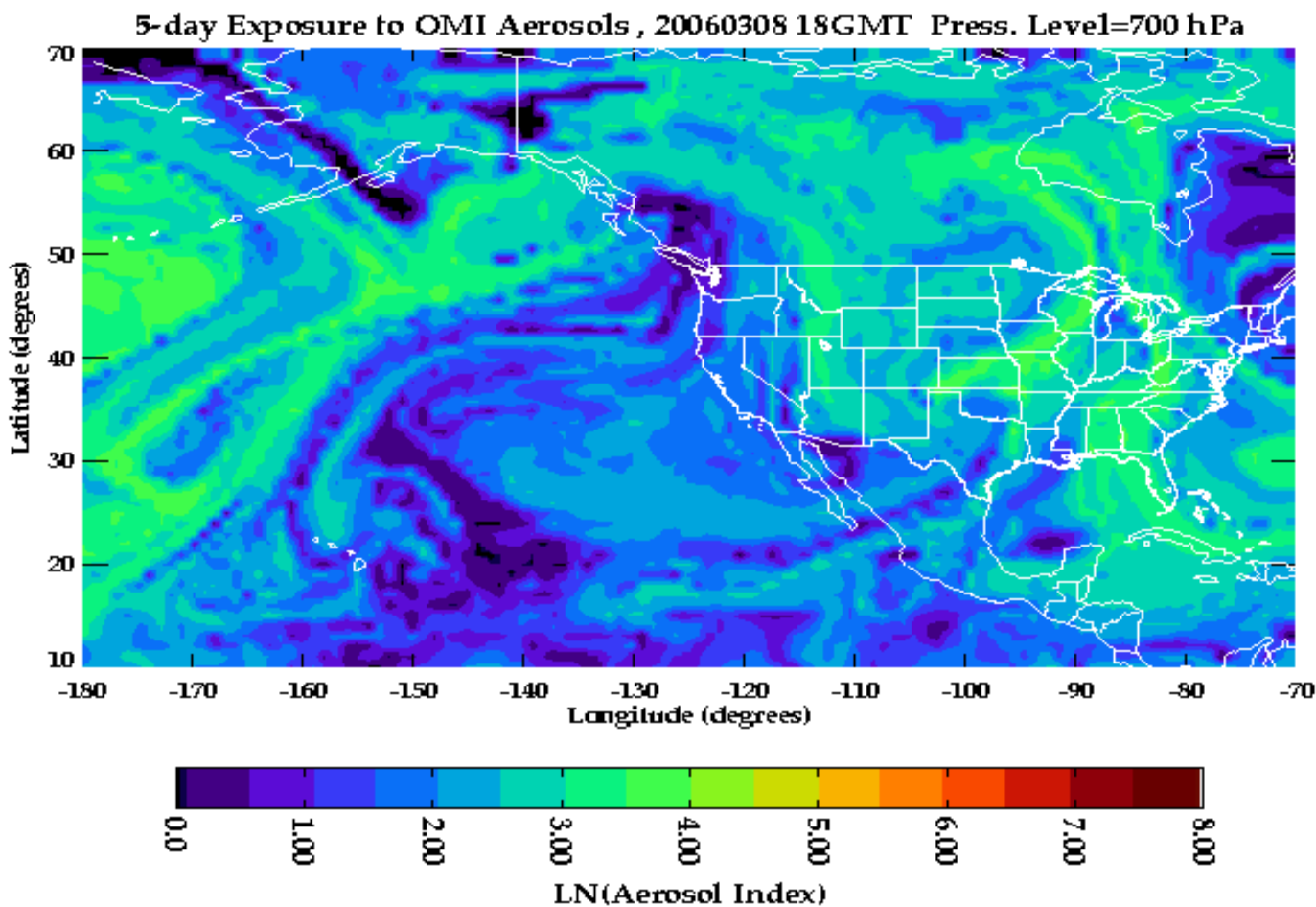
2.2 km
AGL



Stirring plot — Mexico City FF CO 20060310 12 GMT



DEVELOPING ASIAN DUST OUTFLOW OVER PACIFIC



NASA/GSFC/916/kdnetic/T.Kucers